



Operations Challenge

October 17 & 18 , 2011

Los Angeles, California

Final Results

Water Environment Federation Operations Challenge 2011 Los Angeles, California

DIVISION #1

Lab		Safety				Process				Maintenance				Collections				Final Results	
		Best Time		Ranking		Best Time		Ranking		Best Time		Ranking		Best Time		Ranking			
Best Time	340.00	186.97	342.88	186.97	186.97	Best Time	-2771.45	338.85	338.85	Best Time	338.85	338.85	338.85	Best Time	92.04	92.04	Ranking	Ranking	
Slowest Time	801.00	100.00	100.00	100.00	100.00	Slowest Time	-1914.16	577.25	577.25	Slowest Time	577.25	577.25	577.25	Slowest Time	160.03	160.03	Ranking	Ranking	
Time	Points	Ranking	Time	Points	Ranking	Time	Points	Ranking	Time	Points	Ranking	Time	Points	Ranking	Time	Points	Ranking	Points	Ranking
7	Terminal Velocity	340.00	100.00	1	186.97	100.00	1	-2771.45	338.85	1	186.97	100.00	1	338.85	338.85	338.85	338.85	338.85	1
3	LA Wrecking Crew	480.00	77.22	5	230.25	79.18	4	-2771.45	338.85	1	377.90	87.71	3	92.04	100.00	1	444.11	2	2
1	TRA CREW Sers	354.00	97.72	2	232.20	78.24	5	-2554.88	81.05	4	399.00	81.08	5	96.50	92.87	4	430.96	3	3
2	Team HRSD	410.00	88.61	3	237.19	75.84	6	-2571.25	82.49	3	451.90	64.43	8	92.90	99.05	2	410.42	4	4
9	Jersey Devils	522.00	70.39	7	249.44	69.95	7	-2642.57	86.72	2	378.03	87.67	4	108.75	81.57	8	398.30	5	5
10	Liquid Force	543.00	66.97	8	222.44	82.94	3	-1914.16	25.00	10	402.78	79.88	6	106.07	84.52	7	339.32	6	6
11	Commode Commandos	444.00	83.08	4	268.90	60.59	8	-2046.74	36.60	8	415.00	76.04	7	125.33	63.28	9	319.59	7	7
8	Dillo XXpress	519.00	70.88	6	342.88	25.00	10	-2011.44	33.51	9	338.85	100.00	1	101.18	89.92	5	319.31	8	8
4	Aqua Techs	801.00	25.00	10	214.44	86.79	2	-2150.49	45.68	7	520.81	42.76	9	160.03	25.00	10	225.23	9	9
5	Brown Tide	776.00	29.07	9	337.60	27.54	9	-2160.00	46.51	6	577.25	25.00	10	103.16	87.73	6	215.85	10	10

DIVISION #2

Lab		Safety				Process				Maintenance				Collections				Final Results	
		Best Time		Ranking		Best Time		Ranking		Best Time		Ranking		Best Time		Ranking			
Best Time	457.00	217.64	1090.25	217.64	217.64	Best Time	-2478.00	461.84	461.84	Best Time	461.84	461.84	461.84	Best Time	90.58	90.58	Ranking	Ranking	
Slowest Time	1712.00	1000.25	1090.25	1000.25	1000.25	Slowest Time	-516.64	1383.44	1383.44	Slowest Time	1383.44	1383.44	1383.44	Slowest Time	340.16	340.16	Ranking	Ranking	
Time	Points	Ranking	Time	Points	Ranking	Time	Points	Ranking	Time	Points	Ranking	Time	Points	Ranking	Time	Points	Ranking	Points	Ranking
12	Sea Coast Sewer Snakes	681.00	86.61	9	280.50	94.60	3	-2478.00	100.00	1	703.66	80.32	17	100.57	97.00	3	458.53	1	1
30	River Rangers	525.00	95.94	3	534.22	72.79	19	-2337.50	94.63	2	522.12	95.09	5	122.28	90.47	9	448.92	2	2
32	Wasted Gas	680.00	86.67	8	383.05	85.78	9	-2107.18	85.82	4	483.35	98.25	2	116.25	92.29	6	448.81	3	3
39	OCWA Jels	509.00	96.89	2	217.64	100.00	1	-1442.49	60.40	17	548.85	92.92	6	114.99	92.66	5	442.87	4	4
20	Blueridge Brawlers	540.00	95.04	4	319.75	91.22	7	-1491.88	62.29	16	500.10	96.89	4	107.19	95.01	4	440.45	5	5
19	ReWa Blackwater Bruisers	760.00	81.89	13	240.91	98.00	2	-1724.69	71.19	9	461.84	100.00	1	127.42	88.93	10	440.01	6	6
21	Collectors	605.00	91.16	5	304.47	92.54	5	-1558.52	64.84	13	575.09	90.78	10	90.58	100.00	1	439.32	7	7
37	Ozark Royal Flush	457.00	100.00	1	505.10	75.29	16	-1731.52	71.46	8	588.56	91.32	8	143.06	84.23	13	422.30	8	8
33	Force Maine	725.00	83.98	11	490.84	76.52	14	-1984.86	81.14	5	623.88	86.81	12	119.03	91.45	8	419.90	9	9
38	Pumpers	679.00	86.73	7	366.00	85.53	10	-1942.49	79.52	6	707.90	79.98	18	144.15	83.90	14	415.66	10	10
16	Sludge Hammers	740.00	83.09	12	337.78	89.67	8	-1264.64	53.60	20	648.13	84.84	13	99.64	97.28	2	408.48	11	11
14	Wasatch All Stars	962.00	69.82	19	452.50	79.81	11	-1589.16	66.01	12	490.96	97.63	3	118.47	91.62	7	404.89	12	12
25	Centrifugal Force	964.00	69.70	21	281.63	94.50	4	-1266.14	59.66	19	604.03	89.43	11	138.55	85.58	12	391.87	13	13
29	Team Renegade	1149.00	58.65	23	312.00	91.89	6	-1686.82	69.75	11	680.04	83.87	15	135.30	86.56	11	390.72	14	14
27	Wastewater Rangers	883.00	74.54	17	521.75	73.86	18	-1417.38	59.44	18	550.35	92.80	7	145.27	83.57	15	384.21	15	15
24	Septic Soljahs	709.00	84.94	10	477.52	77.66	13	-1025.69	44.47	23	572.44	91.00	9	160.43	79.01	17	377.06	16	16
26	Regulators	802.00	79.38	15	512.75	74.64	17	-2162.77	87.95	3	677.12	82.48	16	269.79	46.15	25	370.60	17	17
34	Vortechs	767.00	81.47	14	637.37	63.92	22	-1784.49	73.48	7	979.87	57.84	21	150.31	82.05	16	358.76	18	18
35	Greased Lightning	883.00	74.54	17	464.88	78.75	12	-221.35	32.83	25	652.72	84.47	14	181.06	72.81	19	343.40	19	19
23	Showlers	607.00	91.04	6	558.35	70.63	20	-1708.80	70.62	10	1231.52	37.36	24	216.63	62.12	23	331.77	20	20
18	Canadian Cross Connection	1029.00	65.82	22	503.88	75.40	15	-516.64	25.00	26	757.50	75.94	19	177.67	73.83	18	315.99	21	21
28	Poo Fighters	962.00	69.82	19	652.56	62.62	24	-1208.20	51.44	22	1152.69	43.78	23	182.30	72.44	20	300.10	22	22
36	Brown Trout	858.00	76.04	16	644.50	63.31	23	-1546.92	64.40	14	1383.44	25.00	20	198.78	67.49	21	296.24	23	23
13	South Bay Side Sewer Avengers	1712.00	25.00	26	590.46	67.27	21	-795.00	36.64	24	977.35	58.05	20	242.60	54.32	24	240.28	24	24
31	SIQA	1267.00	51.59	24	1090.25	25.00	26	-1210.10	51.52	21	1261.06	34.96	25	307.37	64.90	22	227.97	25	25
40	Sludge Fellas	1619.00	30.56	25	825.40	47.76	25	-1503.74	62.75	15	1077.03	49.84	22	240.16	25.00	26	216.01	26	26



Team #	Team Name	MA
7	Terminal Velocity	VWEA
3	LA Wrecking Crew	CWEA
1	TRA CREW Sers	WEAT
2	Team HRSD	VWEA
9	Jersey Devils	NWEA
10	Liquid Force	WEASC
11	Commode Commandos	VWEA
8	Dillo XXpress	WEAT
4	Aqua Techs	WEAT
5	Brown Tide	NWEA



Team #	Team Name	MA
12	Sea Coast Sewer Snakes	NEWEA
30	River Rangers	PNCWA
32	Wasted Gas	WEAU
39	OCWA Jels	WEA ONT
20	Blueridge Brawlers	VWEA
19	ReWa Blackwater Bruisers	SCWEA
21	Collectors	VWEA
37	Ozark Royal Flush	AWEA
33	Force Maine	NEWEA
38	Pumpers	CSWEA
16	Sludge Hammers	WEA ONT
14	Wasatch All Stars	WEAU
25	Centrifugal Force	CHES WEA
29	Team Renegade	FWEA
27	Wastewater Rangers	OWEA
24	Septic Soljahs	HWEA
26	Regulators	OWEA
34	Vortechs	NEWEA
35	Greased Lightning	NCWEA
23	Showlers	CSWEA
18	Canadian Cross Connection	BC W&WA
28	Poo Fighters	PNCWA
36	Brown Trout	MWEA
13	South Bay Side Sewer Avengers	CWEA
31	SIQA	IWEA
40	Sludge Fellas	NYWEA

Water Environment Federation Operations Challenge 2011 Los Angeles, California



DIVISION #1

Team #	Team Name	MA	Event Time (in seconds) / Point Conversion / Ranking												Final Results							
			Lab			Safety			Process			Maintenance			Collections			Points	Ranking			
			Best Time	Slowest Time	Ranking	Best Time	Slowest Time	Ranking	Best Time	Slowest Time	Ranking	Best Time	Slowest Time	Ranking	Best Time	Slowest Time	Ranking					
1	TRA CREWers	WEAT	354.00	97.72	2	232.20	78.24	5	186.97	342.88	5	-2554.88	81.05	4	399.00	81.06	5	98.50	92.87	4	430.96	3
2	Team HRSD	VWEA	410.00	88.81	3	237.19	75.84	6	342.88	342.88	6	-2571.25	82.49	3	451.90	64.43	8	92.90	99.05	2	410.42	4
3	LA Wrecking Crew	CWEA	480.00	77.22	5	230.25	79.18	4	342.88	342.88	4	-2771.45	100.00	1	377.90	87.71	3	92.04	100.00	1	444.11	2
4	Aqua Techs	WEAT	801.00	25.00	10	214.44	86.79	2	342.88	342.88	2	-2150.49	45.68	7	520.81	42.76	9	160.03	25.00	10	225.23	9
5	Brown Tide	NYWEA	776.00	29.07	9	337.60	27.54	9	342.88	342.88	9	-2160.00	46.51	6	577.25	25.00	10	103.16	87.73	6	215.85	10
7	Terminal Velocity	VWEA	340.00	100.00	1	186.97	100.00	1	342.88	342.88	1	-2419.75	69.23	5	365.06	91.75	2	95.56	96.12	3	457.10	1
8	Dillo XXpress	WEAT	519.00	70.88	6	342.88	25.00	10	342.88	342.88	10	-2011.44	33.51	9	338.85	100.00	1	101.18	89.92	5	319.31	8
9	Jersey Devils	NUWEA	522.00	70.39	7	249.44	69.95	7	342.88	342.88	7	-2642.57	88.72	2	378.03	87.67	4	108.75	81.57	8	398.30	5
10	Liquid Force	WEASC	543.00	66.97	8	222.44	82.94	3	342.88	342.88	3	-1914.16	25.00	10	402.78	79.89	6	106.07	84.52	7	339.32	6
11	Commode Commandos	VWEA	444.00	83.08	4	268.90	60.59	8	342.88	342.88	8	-2046.74	36.60	8	415.00	76.04	7	125.33	63.28	9	319.59	7



DIVISION #2

Team #	Team Name	MA	Event Time (in seconds) / Point Conversion / Ranking												Final Results							
			Lab			Safety			Process			Maintenance			Collections			Points	Ranking			
			Best Time	Slowest Time	Ranking	Best Time	Slowest Time	Ranking	Best Time	Slowest Time	Ranking	Best Time	Slowest Time	Ranking	Best Time	Slowest Time	Ranking					
12	Sea Coast Sewer Snakes	NEWEA	681.00	86.61	9	280.50	94.00	3	217.64	1090.25	3	-2478.00	100.00	1	703.66	80.32	17	100.57	97.00	3	458.53	1
13	South Bayside Sewer Avengers	CWEA	1712.00	25.00	26	598.46	67.27	21	1090.25	1090.25	21	-795.00	35.64	24	242.60	58.05	20	242.60	54.32	24	240.28	24
14	Wasatch All Stars	WEAU	962.00	69.82	19	452.50	79.81	11	1090.25	1090.25	11	-1589.16	66.01	12	490.96	97.63	3	118.47	91.62	7	404.89	12
16	Sludge Hammer	WEA ONT	740.00	83.09	12	337.78	89.67	8	1090.25	1090.25	8	-1264.64	53.60	20	649.13	84.84	13	99.64	97.28	2	408.48	11
18	Canadian Cross Connection	BC W&WA	1029.00	65.82	22	503.88	75.40	15	1090.25	1090.25	15	-516.64	25.00	26	757.50	75.94	19	177.67	73.83	18	315.99	21
19	ReWa Blackwater Bruisers	SCWEA	760.00	81.89	13	240.91	98.00	2	1090.25	1090.25	2	-1724.89	71.19	9	461.84	100.00	1	127.42	89.93	10	440.01	6
20	Blueridge Brawlers	VWEA	540.00	95.04	4	319.75	91.22	7	1090.25	1090.25	7	-1491.88	62.29	16	500.10	96.89	4	107.19	95.01	4	440.45	5
21	Collectors	VWEA	605.00	91.16	5	304.47	92.54	5	1090.25	1090.25	5	-1558.52	64.84	13	575.09	90.78	10	90.58	100.00	1	439.32	7
23	Shovelers	CSWEA	607.00	91.04	6	559.35	70.63	20	1090.25	1090.25	20	-1709.80	70.62	10	1231.52	37.36	24	216.63	62.12	23	331.77	20
24	Septic Soljahs	HWEA	709.00	84.94	10	477.52	77.66	13	1090.25	1090.25	13	-1025.69	44.47	23	572.44	91.00	9	160.43	79.01	17	377.08	16
25	Centrifugal Force	CHES WEA	964.00	69.70	21	281.63	84.50	4	1090.25	1090.25	4	-1266.14	53.66	19	604.03	88.43	11	138.55	85.58	12	391.87	13
26	Regulators	OWEA	802.00	79.38	15	512.75	74.64	17	1090.25	1090.25	17	-2162.77	87.95	3	677.12	82.48	16	269.79	46.15	25	370.60	17
27	Wastewater Rangers	OWEA	883.00	74.54	17	521.75	73.86	18	1090.25	1090.25	18	-1417.38	59.44	18	550.35	92.80	7	145.27	83.57	15	384.21	15
28	Poo Fighters	PNCWA	962.00	69.82	19	652.56	62.62	24	1090.25	1090.25	24	-1208.20	51.44	22	1152.69	43.78	23	182.30	73.44	20	300.10	22
29	Team Renegade	FWEA	1149.00	58.65	23	312.00	91.89	6	1090.25	1090.25	6	-1686.82	69.75	11	660.04	83.87	15	135.30	86.56	11	390.72	14
30	River Rangers	PNCWA	525.00	95.94	3	534.22	72.79	19	1090.25	1090.25	19	-2337.50	94.63	2	522.12	95.09	5	122.28	90.47	9	448.92	2
31	SIOA	IWEA	1267.00	95.94	24	1090.25	25.00	26	1090.25	1090.25	26	-1210.10	51.52	21	1261.06	34.96	25	207.37	64.90	22	227.97	25
32	Wasted Gas	WEAU	680.00	86.67	8	383.05	85.78	9	1090.25	1090.25	9	-2107.18	85.82	4	483.35	98.25	2	116.25	92.29	6	448.81	3
33	Force Maine	NEWEA	725.00	83.98	11	490.84	76.52	14	1090.25	1090.25	14	-1984.86	81.14	5	628.88	86.81	12	119.03	91.45	8	419.90	9
34	VorTechs	NEWEA	767.00	81.47	14	637.37	63.92	22	1090.25	1090.25	22	-1784.49	73.48	7	979.87	57.84	21	150.31	82.05	16	358.76	18
35	Greased Lightning	NCWEA	883.00	74.54	17	464.88	78.75	12	1090.25	1090.25	12	-721.35	32.83	25	652.72	84.47	14	181.06	72.81	19	343.40	19
36	Brown Trout	MWEA	858.00	76.04	16	644.50	63.31	23	1090.25	1090.25	23	-1546.92	64.40	14	1393.44	25.00	26	198.78	67.49	21	296.24	23
37	Ozark Royal Flush	AWEA	457.00	100.00	1	505.10	75.29	16	1090.25	1090.25	16	-1731.52	71.46	8	566.56	91.32	8	143.06	84.23	13	422.30	8
38	Pumpers	CSWEA	679.00	86.73	7	366.00	85.53	10	1090.25	1090.25	10	-1942.49	79.52	6	707.90	79.89	18	144.15	83.00	14	415.66	10
39	OCWA Jets	WEA ONT	509.00	96.89	2	217.64	100.00	1	1090.25	1090.25	1	-1442.49	60.40	17	548.85	92.92	6	114.99	92.66	5	442.87	4
40	Sludge Felas	NYWEA	1619.00	30.56	25	825.40	47.76	25	1090.25	1090.25	25	-1503.74	62.75	15	1077.03	49.94	22	340.16	25.00	26	216.01	26

Water Environment Federation

2011 Operations Challenge

Los Angeles, California

Awards and Trophies

<i>Laboratory</i>	<i>MA and Team name</i>
Division 2 -Third Place	Pacific Northwest Clean Water Association River Rangers
Division 2- Second Place	Water Environment Association of Ontario OCWA Jets
Division 2- First Place	Arkansas Water Environment Association Ozark Royal Flush
Division 1- Third Place	Virginia Water Environment Association Team HRSD
Division 1- Second Place	Water Environment Association of Texas TRA CReWSers
Division 1- First Place	Virginia Water Environment Association Terminal Velocity

<i>Safety</i>	<i>MA and Team name</i>
Division 2 -Third Place	New England Water Environment Association Seacoast Sewer Snakes
Division 2- Second Place	Water Environment Association of South Carolina ReWa Blackwater Bruisers
Division 2- First Place	Water Environment Association of Ontario OCWA Jets
Division 1- Third Place	Water Environment Association of South Carolina Liquid Force
Division 1- Second Place	Water Environment Association of Texas Aqua Techs
Division 1- First Place	Virginia Water Environment Association Terminal Velocity

<i>Process Control</i>	<i>MA and Team name</i>
Division 2 -Third Place	Ohio Water Environment Association Regulators
Division 2- Second Place	Pacific Northwest Clean Water Association River Rangers
Division 2- First Place	New England Water Environment Association Seacoast Sewer Snakes
Division 1- Third Place	Virginia Water Environment Association Team HRSD
Division 1- Second Place	New Jersey Water Environment Association Jersey Devils
Division 1- First Place	California Water Environment Association L.A. Wrecking Crew

<i>Collections</i>	<i>MA and Team name</i>
Division 2 -Third Place	New England Water Environment Association Seacoast Sewer Snakes
Division 2- Second Place	Water Environment Association of Ontario Sludge Hammers
Division 2- First Place	Virginia Water Environment Association Collectors
Division 1- Third Place	Virginia Water Environment Association Terminal Velocity
Division 1- Second Place	Virginia Water Environment Association Team HRSD
Division 1- First Place	California Water Environment Association L.A. Wrecking Crew

<i>Maintenance</i>	<i>MA and Team Name</i>
Division 2 –Third Place	Water Environment Association of Utah Wasatch All Stars
Division 2- Second Place	Water Environment Association of Utah Wasted Gas
Division 2- First Place	Water Environment Association of South Carolina ReWa Blackwater Bruisers
Division 1- Third Place	California Water Environment Association L.A. Wrecking Crew
Division 1- Second Place	Virginia Water Environment Association Terminal Velocity
Division 1- First Place	Water Environment Association of Texas Dillo XXPress

<i>Overall</i>	<i>MA and Team Name</i>
Division 2 -Third Place	Water Environment Association of Utah Wasted Gas
Division 2- Second Place	Pacific Northwest Clean Water Association River Rangers
Division 2- First Place	New England Water Environment Association Seacoast Sewer Snakes
Division 1- Third Place	Water Environment Association of Texas TRA CReWSers
Division 1- Second Place	California Water Environment Association L.A. Wrecking Crew
Division 1- First Place	Virginia Water Environment Association Terminal Velocity